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Listing first 45 summaries	<p>PIR66:* 1: pir1;* 2: pir2;* 3: pir3;* 4: pir4;*</p> <p>SUMMARIES</p> <table border="1"> <thead> <tr> <th>Result No.</th> <th>Score</th> <th>Query Length</th> <th>DB ID</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>75</td> <td>100.0</td> <td>S22775</td> <td>testis-specific protein Mst84Dd - fruit fly (<i>Drosophila melanogaster</i>)</td> </tr> <tr> <td>2</td> <td>75</td> <td>100.0</td> <td>T18975</td> <td>hypothetical protein Mst84Dd - fruit fly (<i>Drosophila melanogaster</i>)</td> </tr> <tr> <td>3</td> <td>75</td> <td>100.0</td> <td>T24272</td> <td>hypothetical protein Mst84Dd - fruit fly (<i>Drosophila melanogaster</i>)</td> </tr> <tr> <td>4</td> <td>75</td> <td>100.0</td> <td>TM5651</td> <td>hypothetical protein Mst84Dd - fruit fly (<i>Drosophila melanogaster</i>)</td> </tr> <tr> <td>5</td> <td>75</td> <td>100.0</td> <td>B38346</td> <td>ultra-high-sulfur metallothionein -</td> </tr> <tr> <td>6</td> <td>66</td> <td>88.0</td> <td>S18173</td> <td>metallothionein -</td> </tr> <tr> <td>7</td> <td>66</td> <td>88.0</td> <td>S18174</td> <td>metallothionein -</td> </tr> <tr> <td>8</td> <td>66</td> <td>88.0</td> <td>S33382</td> <td>metallothionein -</td> </tr> <tr> <td>9</td> <td>66</td> <td>88.0</td> <td>S65712</td> <td>metallothionein 1</td> </tr> <tr> <td>10</td> <td>66</td> <td>88.0</td> <td>WTFF</td> <td>testis-specific protein Mst84Dd - fruit fly</td> </tr> <tr> <td>11</td> <td>66</td> <td>88.0</td> <td>SMH01A</td> <td>metallothionein 1A</td> </tr> <tr> <td>12</td> <td>66</td> <td>88.0</td> <td>S20567</td> <td>metallothionein -</td> </tr> <tr> <td>13</td> <td>66</td> <td>88.0</td> <td>JC2420</td> <td>hypothetical protein Mst84Dd - fruit fly (<i>Drosophila melanogaster</i>)</td> </tr> <tr> <td>14</td> <td>66</td> <td>88.0</td> <td>JC2419</td> <td>hypothetical protein Mst84Dd - fruit fly (<i>Drosophila melanogaster</i>)</td> </tr> <tr> <td>15</td> <td>66</td> <td>88.0</td> <td>S31723</td> <td>metallothionein -</td> </tr> <tr> <td>16</td> <td>66</td> <td>88.0</td> <td>B27490</td> <td>metallothionein B</td> </tr> <tr> <td>17</td> <td>66</td> <td>88.0</td> <td>S39335</td> <td>metallothionein -</td> </tr> <tr> <td>18</td> <td>66</td> <td>88.0</td> <td>SMH02</td> <td>metallothionein 2</td> </tr> <tr> <td>19</td> <td>66</td> <td>88.0</td> <td>SMMK2</td> <td>metallothionein 2</td> </tr> <tr> <td>20</td> <td>66</td> <td>88.0</td> <td>SMU1E</td> <td>Caenorhabditis elegans</td> </tr> <tr> <td>21</td> <td>66</td> <td>88.0</td> <td>SMU1A</td> <td>Accession: 15-Oct-1999 #sequence_revision 15-Oct-1999</td> </tr> <tr> <td>22</td> <td>66</td> <td>88.0</td> <td>SMH01</td> <td>C; 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2	100.0%	75	68	T18975	hypothetical protein Mst84Dd - fruit fly (<i>Drosophila melanogaster</i>)																																																																																																																																																																																																																																																																																																																																						
3	100.0%	75	68	T24272	hypothetical protein Mst84Dd - fruit fly (<i>Drosophila melanogaster</i>)																																																																																																																																																																																																																																																																																																																																						
4	100.0%	75	68	TM5651	hypothetical protein Mst84Dd - fruit fly (<i>Drosophila melanogaster</i>)																																																																																																																																																																																																																																																																																																																																						
5	100.0%	75	68	B38346	ultra-high-sulfur metallothionein -																																																																																																																																																																																																																																																																																																																																						
6	100.0%	88.0	88.0	S18173	metallothionein -																																																																																																																																																																																																																																																																																																																																						
7	100.0%	88.0	88.0	S18174	metallothionein -																																																																																																																																																																																																																																																																																																																																						
8	100.0%	88.0	88.0	S33382	metallothionein -																																																																																																																																																																																																																																																																																																																																						
9	100.0%	88.0	88.0	S65712	metallothionein 1																																																																																																																																																																																																																																																																																																																																						
10	100.0%	88.0	88.0	WTFF	testis-specific protein Mst84Dd - fruit fly																																																																																																																																																																																																																																																																																																																																						
11	100.0%	88.0	88.0	SMH01A	metallothionein 1A																																																																																																																																																																																																																																																																																																																																						
12	100.0%	88.0	88.0	S20567	metallothionein -																																																																																																																																																																																																																																																																																																																																						
13	100.0%	88.0	88.0	JC2420	hypothetical protein Mst84Dd - fruit fly (<i>Drosophila melanogaster</i>)																																																																																																																																																																																																																																																																																																																																						
14	100.0%	88.0	88.0	JC2419	hypothetical protein Mst84Dd - fruit fly (<i>Drosophila melanogaster</i>)																																																																																																																																																																																																																																																																																																																																						
15	100.0%	88.0	88.0	S31723	metallothionein -																																																																																																																																																																																																																																																																																																																																						
16	100.0%	88.0	88.0	B27490	metallothionein B																																																																																																																																																																																																																																																																																																																																						
17	100.0%	88.0	88.0	S39335	metallothionein -																																																																																																																																																																																																																																																																																																																																						
18	100.0%	88.0	88.0	SMH02	metallothionein 2																																																																																																																																																																																																																																																																																																																																						
19	100.0%	88.0	88.0	SMMK2	metallothionein 2																																																																																																																																																																																																																																																																																																																																						
20	100.0%	88.0	88.0	SMU1E	Caenorhabditis elegans																																																																																																																																																																																																																																																																																																																																						
21	100.0%	88.0	88.0	SMU1A	Accession: 15-Oct-1999 #sequence_revision 15-Oct-1999																																																																																																																																																																																																																																																																																																																																						
22	100.0%	88.0	88.0	SMH01	C; Accession: T18975																																																																																																																																																																																																																																																																																																																																						
23	100.0%	88.0	88.0	SMMK1	R; McMurray, A.																																																																																																																																																																																																																																																																																																																																						
24	100.0%	88.0	88.0	SMH01F	Submitted to the EMBL Data Library, June 1995																																																																																																																																																																																																																																																																																																																																						
25	100.0%	88.0	88.0	SMMT2	A; Reference number: z19054																																																																																																																																																																																																																																																																																																																																						
26	100.0%	88.0	88.0	SMMS2	A; Accession: T18975																																																																																																																																																																																																																																																																																																																																						
27	100.0%	88.0	88.0	SMY2C	A; Status: preliminary; translated from GB/EMBL/DDBJ																																																																																																																																																																																																																																																																																																																																						
28	100.0%	88.0	88.0	SMH01	A; Residues: 1-152 <WIL>																																																																																																																																																																																																																																																																																																																																						
29	100.0%	88.0	88.0	SMH02	A; Cross-references: EMBL.Z49886; PTDN:CAA90055.1; GSPDB:GN00020; CESP:C06A1.6																																																																																																																																																																																																																																																																																																																																						

Query Match 100.0%; Score 75; DB 2; Length 152;
 Best Local Similarity 22.2%; Pred. No. 35;
 Matches 6; Conservative 21; Mismatches 0; Indels 0; Gaps 0;

Oy 1 CXXCXXXCCCCCCCCCCCCCCCCCCCC 27
 Db 88 CTCCRRRCCCTRCCTCRPCGGCGGC 114

RESULT 3
 T24272 hypothetical protein T01B7.8 - *Caenorhabditis elegans*
 C;Species: *Caenorhabditis elegans*
 C;Date: 15-Oct-1999 #sequence_revision 15-Oct-1999 #text_change 15-Oct-1999
 C;Accession: T24272
 R;Sims, M.
 Submitted to the EMBL Data Library, October 1995
 A;Reference number: Z19867
 A;Accession: T24272
 A;Status: preliminary; translated from GB/EMBL/DDBJ
 A;Molecule type: DNA
 A;Residues: 1-164 <WIL>
 A;Cross-references: EMBL:Z66499; PIDN:CAA91301.1; GSPDB:GN00020; CESP:T01B7.8
 A;Experimental source: clone T01B7
 A;Gene: CESP:T01B7.8
 A;Map position: 2
 A;Introns: 20/3; 90/2

Query Match 100.0%; Score 75; DB 2; Length 164;
 Best Local Similarity 22.2%; Pred. No. 37;
 Matches 6; Conservative 21; Mismatches 0; Indels 0; Gaps 0;

Oy 1 CXXCXXXCCCCCCCCCCCCCCCCCCCC 27
 Db 84 CCCCRPRCCCCCRCTCCRTCCRC 110

RESULT 4
 T15651 hypothetical protein C27A2.5 - *Caenorhabditis elegans*
 C;Species: *Caenorhabditis elegans*
 C;Date: 20-Sep-1999 #sequence_revision 20-Sep-1999 #text_change 20-Sep-1999
 C;Accession: T15651
 R;Nhan, M.
 submitted to the EMBL Data Library, May 1996
 A;Description: The sequence of C. elegans cosmid C27A2.
 A;Reference number: Z18382
 A;Accession: T15651
 A;Status: preliminary; translated from GB/EMBL/DDJB
 A;Molecule type: DNA
 A;Residues: 1-188 <NHA>
 A;Cross-references: EMBL:U58760; NID:9133034; PIDN:91330389; PIDN:AAB00710.1; GSPDB:GN00
 A;Experimental source: strain Bristol N2; clone C27A2
 C;Genetics:
 A;Gene: CESP:C27A2.5
 A;Map position: 2
 A;Introns: 19/3; 91/2

Query Match 100.0%; Score 75; DB 2; Length 188;
 Best Local Similarity 22.2%; Pred. No. 40;
 Matches 6; Conservative 21; Mismatches 0; Indels 0; Gaps 0;

Oy 1 CXXCXXXCCCCCCCCCCCCCCCCCCCC 27
 Db 85 CCCCRPRCCCCCRCTCCRTCCRC 111

RESULT 5
 B38346

Query Match 100.0%; Score 75; DB 2; Length 188;
 Best Local Similarity 22.2%; Pred. No. 40;
 Matches 6; Conservative 21; Mismatches 0; Indels 0; Gaps 0;

Oy 1 CXXCXXXCCCCCCCCCCCCCCCCCCCC 27
 Db 85 CCCCRPRCCCCCRCTCCRTCCRC 111

Query Match 100.0%; Score 75; DB 2; Length 152;
 Best Local Similarity 22.2%; Pred. No. 35;
 Matches 6; Conservative 21; Mismatches 0; Indels 0; Gaps 0;

Oy 1 CXXCXXXCCCCCCCCCCCCCCCCCCCC 27
 Db 88 CTCCRRRCCCTRCCTCRPCGGCGGC 114

ultra-high-sulfur keratin 2 - mouse
 C;Species: *Mus musculus* (house mouse)
 C;Date: 31-Mar-1992 #sequence_revision 31-Mar-1992 #text_change 24-Sep-1999
 C;Accession: A38660; B38346
 R;Wood, L.; Mills, M.; Hatzenbuhler, N.; Vogeli, G.
 J. Biol. Chem. 266, 4024, 1991
 A;Title: Serine-rich ultra high sulfur protein gene expression in murine hair and skin
 A;Reference number: A38660; MUID:91154184
 A;Accession: A38660
 A;Molecule type: DNA
 A;Residues: 1-223 <NO22>
 A;Cross-references: GB:M37760; NID:9200963; PIDN:AAA40107.1; PID:9200964
 A;Note: this is a correction
 A;Note: this is a correction
 R;Wood, L.; Mills, M.; Hatzenbuhler, N.; Vogeli, G.
 J. Biol. Chem. 265, 21375-21360, 1990
 A;Title: Serine-rich ultra high sulfur protein gene expression in murine hair and skin
 A;Reference number: A38346; MUID:91065960
 A;Accession: B38346
 A;Molecule type: DNA
 A;Residues: 1-21, 'GGCGCCGGGNNGGGSSCC' 22-40, 'GSS', 44-45, 'G', 47-48, 'S', 50, 'GS
 <W00>
 A;Cross-references: GB:M37759; NID:9200561; PIDN:AAA40106.1; PID:9200962
 A;Note: the sequence reported in this paper has been corrected. See A38660
 C;Superfamily: ultra-high-sulfur keratin
 C;Genetics:
 C;Experimental source: clone T01B7.8
 C;Gene: CESP:T01B7.8
 C;Map position: 2
 C;Introns: 20/3; 90/2

Query Match 100.0%; Score 75; DB 2; Length 223;
 Best Local Similarity 22.2%; Pred. No. 44;
 Matches 6; Conservative 21; Mismatches 0; Indels 0; Gaps 0;

Oy 1 CXXCXXXCCCCCCCCCCCCCCCCCCCC 27
 Db 57 CGGCKGGCGGGCKGCCOSSCCRPC 83

RESULT 6
 S18173 metallothionein - common bobwhite (fragment)
 C;Species: *Colinus virginianus* (common bobwhite)
 C;Date: 06-Jan-1995 #sequence_revision 06-Jan-1995 #text_change 20-Aug-1999
 C;Accession: S33378; S18173
 R;Shartzer, K.L., Kage, K., Sobieski, R.J.; Andrews, G.K.
 J. Mol. Evol. 36, 255-262, 1993
 A;Title: Evolution of avian metallothionein: DNA sequence analyses of the turkey meta
 A;Reference number: S33378; MUID:93247066
 A;Accession: S33378
 A;Status: preliminary
 A;Molecule type: mRNA
 A;Residues: 1-43 <SHA>
 A;Cross-references: EMBL:X62511; NID:962749; PIDN:CAA44370.1; PID:962750
 C;Superfamily: metallothionein

Query Match 88.0%; Score 66; DB 2; Length 43;
 Best Local Similarity 19.2%; Pred. No. 83;
 Matches 5; Conservative 21; Mismatches 0; Indels 0; Gaps 0;

Oy 1 CXXCXXXCCCCCCCCCCCCCCCCCCCC 26
 Db 13 CRSCRKSCGCCCPAGCNNCAGGCCK 38

RESULT 7
 S18174 metallothionein - common bobwhite (fragment)
 C;Species: *Colinus virginianus* (common bobwhite)
 C;Date: 06-Jan-1995 #sequence_revision 06-Jan-1995 #text_change 20-Aug-1999
 C;Accession: S33378; S18174
 R;Shartzer, K.L., Kage, K., Sobieski, R.J.; Andrews, G.K.
 J. Mol. Evol. 36, 255-262, 1993
 A;Title: Evolution of avian metallothionein: DNA sequence analyses of the turkey meta
 A;Reference number: S33378; MUID:93247066
 A;Accession: S33378

A;Status: preliminary
A;Molecule type: mRNA
A;Residues: 1-43 <SHA>
A;Cross-references: EMBL:X62512; NID:962751; PIDN:CAA44371.1; PID:962752
C;Superfamily: metallothionein

Query Match 88.0%; Score 66; DB 2; Length 43;
Best Local Similarity 19.2%; Pred. No. 83; Mismatches 5;
Matches 5; Conservative 21; Mismatches 0;
Indels 0; Gaps 0;

Oy 1 CXXCXXXCXXXXXXCXXXCXXX 26
Db 13 CRSCRKSCCSCPAGCNNCYKGCVCK 38

RESULT 8

S33382
metallothionein - ring-necked pheasant (fragment)
C;Species: Phasianus colchicus (ring-necked Pheasant)
C;Date: 13-Jan-1995 #sequence_revision 13-Jan-1995 #text_change 20-Aug-1999
C;Accession: S33382; S18182
R;Shartzler, K.L.; Rake, K.; Sobieski, R.J.; Andrews, G.K.
J; Mol. Evol. 36, 255-262, 1993
A;Title: Evolution of avian metallothionein: DNA sequence analyses of the turkey metallothionein gene
A;Reference number: S33378; MUID:93247066
A;Accession: S33382
A;Status: preliminary
A;Molecule type: mRNA
A;Residues: 1-43 <SHA>
A;Cross-references: EMBL:X62510; NID:964214; PIDN:CAA44369.1; PID:964215
C;Superfamily: metallothionein

Query Match 88.0%; Score 66; DB 2; Length 43;
Best Local Similarity 19.2%; Pred. No. 83; Mismatches 5;
Matches 5; Conservative 21; Mismatches 0; Indels 0; Gaps 0;

Oy 1 CXXCXXXCXXXXXXCXXXCXXX 26
Db 13 CRSCRKSCCSCPAGCNNCYKGCVCK 38

RESULT 9

S65712
metallothionein 1 - rat (fragments)
C;Species: Rattus norvegicus (Norway rat)
C;Date: 05-Dec-1996 #sequence_revision 13-Mar-1997 #text_change 09-May-1997
C;Accession: S65712

R;Saito, S.; Hunziker, P.E.
Biolphys. Acta 1289, 65-70, 1995
A;Title: Differential sensitivity of metallothionein-1 and -2 in liver of zinc-injected rats
A;Status: preliminary
A;Molecule type: protein
A;Residues: 1-23; 24-46; 47-52 <SAI>
C;Superfamily: metallothionein
C;Keywords: blocked amino end

Query Match 88.0%; Score 66; DB 1; Length 56;
Best Local Similarity 19.2%; Pred. No. 1e+02; Mismatches 5;
Matches 5; Conservative 21; Mismatches 0; Indels 0; Gaps 0;

Oy 1 CXXCXXXCXXXXXXCXXXCXXX 26
Db 6 CGPCCCPCCGCGCGCGCGC 31

RESULT 11

SMH01A
metallothionein 1A - horse
C;Species: Equus caballus (domestic horse)
C;Date: 31-May-1979 #sequence_revision 31-May-1979 #text_change 13-Sep-1996
C;Accession: A03277
R;Kojima, Y.; Kagi, J.H.R., Trends Biochem. Sci. 3, 90-93, 1978
A;Title: Metallothionein,
A;Reference number: A03277
A;Accession: A03277
A;Molecule type: protein
A;Experimental source: liver and kidney
A;Note: both Ser and Leu occur at position 54
C;Superfamily: metallothionein
C;Keywords: acetylated amino end; metal binding
F;1/Modified site: acetylated amino end (Met) #status experimental
F;5,7,13,15,19,21,24,26,29/Binding site: transition metal ions (Cys) #status predicted
F;33,34,36,37,41,44,48,50,57,59/Binding site: transition metal ions (Cys) #status predicted

Query Match 88.0%; Score 66; DB 1; Length 60;
Best Local Similarity 19.2%; Pred. No. 1e+02; Mismatches 5;
Matches 5; Conservative 21; Mismatches 0; Indels 0; Gaps 0;

Oy 1 CXXCXXXCXXXXXXCXXXCXXX 26
Db 26 CTSCKKSCCSCPAGCNNCYKGCVCK 51

RESULT 12

S30567
metallothionein - plaice
C;Species: Pleuronectes platessa (plaice)
C;Date: 06-Jan-1995 #sequence_revision 06-Jan-1995 #text_change 20-Aug-1999
C;Accession: S30567
R;Leaver, M.J.; George, S.G.
submitted to the EMBL Data Library, November 1990
A;Reference number: S30567
A;Accession: S30567
A;Status: preliminary
A;Molecule type: mRNA
A;Residues: 1-60 <LEA>
C;Cross-references: EMBL:X56743; NID:964237; PIDN:CAA40067.1; PID:964238
C;Superfamily: metallothionein

RESULT 10

WTFF testis-specific protein (clone mst(3)g1-9) - fruit fly (Drosophila melanogaster)

Query Match 88.0%; Score 66; DB 2; Length 60;
 Best Local Similarity 19.2%; Pred. No. 1e+02;
 Matches 5; Conservative 21; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CXXCXXCXXXXXXXCXXCXXX 26
 |::|::|::|::|::|::|::|::|:
 Db 25 CTCCKSKCCPCCPSKCSKGCVCN 50

RESULT 13

JC2420 metallothionein - Mozambique tilapia
 C;Species: *Tilapia mossambica*, *Oreochromis mossambicus* (Mozambique tilapia)
 C;Date: 21-Feb-1995 #sequence_revision 05-Apr-1995 #text_change 20-Aug-1999
 C;Accession: JC2420
 R;Chan, K.M.
 Biochem. Biophys. Res. Commun. 205, 368-374, 1994
 A;Title: PCR-cloning of goldfish and Tilapia metallothionein complementary DNAs.
 A;Reference number: JC2419; MUID:95091751
 A;Accession: JC2420
 A;Molecule type: mRNA
 A;Residues: 1-60 <CHA>
 A;Cross-references: GB:SF5042; NID:9802155; PIDN:AB3278.1; PID:9802156
 C;Comment: The protein belongs to a metallothionein family of low molecular weight and cy
 C;Superfamily: metallothionein
 C;Keywords: metallothionein; metal binding; metal-thiolate cluster

Query Match 88.0%; Score 66; DB 2; Length 60;
 Best Local Similarity 19.2%; Pred. No. 1e+02;
 Matches 5; Conservative 21; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CXXCXXCXXXXXXXCXXCXXX 26
 |::|::|::|::|::|::|::|::|:
 Db 25 CTSCKSKCCPCCPSKCSKGCVCK 50

RESULT 14

JC2419 metallothionein - goldfish
 C;Species: *Carassius auratus* (goldfish)
 C;Date: 21-Feb-1995 #sequence_revision 05-Apr-1995 #text_change 20-Aug-1999
 C;Accession: JC2419
 R;Chan, K.M.
 Biochem. Biophys. Res. Commun. 205, 368-374, 1994
 A;Title: PCR-cloning of goldfish and Tilapia metallothionein complementary DNAs.
 A;Reference number: JC2419; MUID:95091751
 A;Accession: JC2419
 A;Molecule type: mRNA
 A;Residues: 1-60 <CHA>
 A;Cross-references: GB:SF75039; NID:9802153; PIDN:AAB3277.1; PID:9802154
 C;Superfamily: metallothionein

Query Match 88.0%; Score 66; DB 2; Length 60;
 Best Local Similarity 19.2%; Pred. No. 1e+02;
 Matches 5; Conservative 21; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CXXCXXCXXXXXXXCXXCXXX 26
 |::|::|::|::|::|::|::|::|:
 Db 25 CTSCKSKCCPCCPSKCSKGCVCN 50

Search completed: March 1, 2001, 16:20:10
 Job time: 318 sec

A;Title: Analysis of regulatory elements flanking metallothionein genes in Cd-tolerant plants
 A;Reference number: S38334; MUID:94032489
 A;Accession: S38334
 A;Molecule type: DNA
 A;Residues: 1-60 <K13>
 A;Cross-references: EMBL:X70042; NID:962782; PIDN:CAA49636.1; PID:962783
 A;Note: the authors translated the codon ACT for residue 9 as Ser
 R;Kille, P.; Stephens, P.E.; Kay, J.
 Biochim. Biophys. Acta 1059, 407-410, 1991
 A;Title: Elucidation of cDNA sequences for metallothioneins from rainbow trout, stony corals and the green alga Ulva lactuca
 A;Reference number: S16996; MUID:91316146
 A;Accession: S1175
 A;Molecule type: mRNA
 A;Residues: 1-60 <KL>
 A;Cross-references: EMBL:X59392; NID:962780; PIDN:CAA42035.1; PID:962781
 C;Genetics:
 A;Intros: 9/1; 31/1
 C;Superfamily: metallothionein
 C;Keywords: chelation; metal binding; metal-thiolate cluster

Query Match 88.0%; Score 66; DB 2; Length 60;
 Best Local Similarity 19.2%; Pred. No. 1e+02;
 Matches 5; Conservative 21; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CXXCXXCXXXXXXXCXXCXXX 26
 |::|::|::|::|::|::|::|::|:
 Db 25 CTSCKSKCCPCCPSKCSKGCVCK 50